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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/601,267

DATE: 06/11/2001

TIME: 12:26:35

Input Set : A:\9013.18 sequence listing.txt

Output Set: N:\CRF3\06112001\I601267.raw

ENTERED

4 &lt;110&gt; APPLICANT: William Nicol KEITH

6 &lt;120&gt; TITLE OF INVENTION: Promoter Regions of the Mouse and Human Telomerase RNA

## Component Genes

8 &lt;130&gt; FILE REFERENCE: 9013.18

10 &lt;140&gt; CURRENT APPLICATION NUMBER: US 09/601,267

11 &lt;141&gt; CURRENT FILING DATE: 1999-01-29

13 &lt;150&gt; PRIOR APPLICATION NUMBER: PCT/GB99/00308

14 &lt;151&gt; PRIOR FILING DATE: 1999-01-29

16 &lt;150&gt; PRIOR APPLICATION NUMBER: GB 9801902.9

17 &lt;151&gt; PRIOR FILING DATE: 1998-01-29

19 &lt;160&gt; NUMBER OF SEQ ID NOS: 86

21 &lt;170&gt; SOFTWARE: PatentIn Ver. 2.1

23 &lt;210&gt; SEQ ID NO: 1

24 &lt;211&gt; LENGTH: 1765

25 &lt;212&gt; TYPE: DNA

26 &lt;213&gt; ORGANISM: Homo sapiens

28 &lt;400&gt; SEQUENCE: 1

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30 agccgagatc acgccactag actccatcca gcctgggcga aagagcaaga ctccgtctca 120
31 aaaaaaaaaa tcgttacaat ttatggtgga ttactccctt ctttttacct catcaagaca 180
32 cagcactact ttaaagcaaa gtcaatgatt gaaacgcctt tctttcctaa taaaaggag 240
33 attcagtcct taagattaat aatgtagtag ttacacttga ttaaagccat cctctgctca 300
34 aggagaagct ggagaaggca ttctaaggaa aaaggggcag ggttggaact cggacgcata 360
35 ccactgagcc gagacaagat tctgctgtag tcagtgtgtc ctgggaatct attttcaca 420
36 agttctccaa aaaatgtgat gatcaaaact aggaattagt gttctgtgtc ttaggcccta 480
37 aaatcttcct gtgaattcca tttttaagggt agtcgaggtg aaccgcgtct ggtctgcaga 540
38 ggatagaaaa aaggccctct gatacctcaa gttagtttca cctttaaaga aggtcggaa 600
39 taaagacgca aagcctttcc cggacgtgag gaagggcaac gtccttcctc atggccgga 660
40 atggaacttt aatttcccgt tcccccaac cagcccgccc gagagagtga ctctcacag 720
41 agccgcgaga gtcagcttgg ccaatccgtg cggtcggcgg ccgctccctt tataagccga 780
42 ctgcgccggc agcgcaccgg gttgcggagg gtgggcctgg gaggggtggt ggccattttt 840
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46 gcgctgcccc gcccccgaac cccgcctgga ggccgcgggt cccggggggc ttctccggag 1080
47 gcacctactg ccaccgcgaa gagttggctc tgtcagccgc ggggtctctg ggggcgagg 1140
48 cgagggttcag gcctttcagg ccgcaggaa aggaacggag cgagtcctcc cgcgcggcgc 1200
49 gattccctga gctgtgggac gtgcacccag gactcggtc acacatgcag ttcgctttcc 1260
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53 tgcgtgggtt ctcccgctt ccgctttttg ttgcctttta tgggtgtatt acaacttagt 1500
54 tctgtctctg cagattttgt tgagggtttt gcttctccca aggtagatct cgaccagtcc 1560
55 cctcaacggg gtgtgggaga acagtcattt ttttttgaga gatcatttaa catttaatga 1620
56 atattttaatt agaagatcta aatgaacatt ggaaattgtg ttcctttaat ggtcatcggt 1680
57 ttatgccaga ggttagaagt ttcttttttg aaaaattaga ccttggcgat gaccttgagc 1740
58 agtaggatat aacccccaca agctt 1765
60 <210> SEQ ID NO: 2

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61 &lt;211&gt; LENGTH: 4044

62 &lt;212&gt; TYPE: DNA

63 &lt;213&gt; ORGANISM: Mus sp.

65 &lt;400&gt; SEQUENCE: 2

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66 aagcttggac ttgacaaaga aactgcagat catctggacc cccccccccc cccatttagg 60
67 ttttaacaatg taccagctat ctgacttaag caaactgtgt tcctcataga taaggcgagg 120
68 ctgctcatgg tcattgtgaa gttcagttgg gataaacaaa ttttaagggtg cataacaaaa 180
69 aacacaaaaat gttgggtgttt gtttaaaaaa aactaaagaa tttctggagg caggcagtta 240
70 cagaaaacat gctgatattc tgagttgcct gctagttggg gccattccac cagagtgaac 300
71 acatctctgt tgacctgat tttctgtagg tctgtctgtg tgtctgtcct ttctccagca 360
72 agggctgacc ctaatcgggg tcccaggacc caagccttga gaaaggcagt agtatgtcat 420
73 ctagttgaaa tgacacattc tctacagtgt ccaaatagaca tctttgtgct agacagaaca 480
74 ttttatttga tggactatgg ctgaccactt ggcttggggg gggggggaag gggccgcca 540
75 gggcgggggt ccctcatttg cttgttatta acacttgctt gtttgtttac ttgttagtag 600
76 gaatctgctc taccacgtgg gttctacatg gttccacagg ggtcacctgg tccgtttttg 660
77 ttttctggga cagttttcac aaatgttgct tagactccac gttggctttg aagcctacag 720
78 ctatgagcct ctgtgccagt ttatgcagta gtatctctcg ggttgtcctt caccgttagt 780
79 agtgggtgctc ttagaaggca ccgtgatttt ttgctttcca tctctttccc ctgccatgcc 840
80 ttctgtgggt ctctgccagg caccaaactg ttcagaaact ctccagcccg gtagagaacg 900
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86 ccccccggcg tgtgggagtg gactgggttg aaggtggaat tttttttttt tttttttttt 1260
87 tttagtga aaagggggga ttggaaatat ccctactttc aactctagta tatttcagaa 1320
88 accaagcctc agagatgtgc gtgcgtgcgt gtgtgtgtgt gtatgtgtgt gtgtctcaca 1380
89 gcaagaaaca gattttatta tttatttttt atttatttat tttttgcaag tgactggcta 1440
90 ggaagagtgg ggaagcggga ggacaaatgg ggaagaggga gcatttcgcg aagtgtggg 1500
91 ctcgaccaat cagcgcgcg ccatgggtat ttaaggtcga gggcggtag gcctcgccac 1560
92 ctaaccctga ttttcattag ctgtgggttc tgggtctttt ttctccgccc gctgtttttc 1620
93 tcgctgactt ccagcgggcc aggaaggtcc agacctgcag cgggccaccg cgcgttccc 1680
94 agcctcaaaa acaaacgtca gcgcaggagc tccaggttcg ccgggagctc cgcggcgccg 1740
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109 tatgtgtcaa aaacaaagaa gaaaggcttt gtgggggggt gggtagcaaa cgatcttaat 2640
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111 tgtgtggttaa acaaaaaacg aggaggagga gcaagaagaa tatgagagcc cacggaagga 2760
112 agagtatcag tccccaggcc accagttcct caggggtaac tatgtttgtg agtgtctcgg 2820
113 tgccttgact tcctcagtac ttttctgggt tttagtcata aaaaacattg aagagatgaa 2880
114 gaagtgtatg tttagtaagt acataccaaa agtttgtgag ctatatgcat atagcaactc 2940
115 agtcacctga aacaggcccc ttgcagctaa catatttctt agtattacta ttataaagac 3000
116 taggggagtt tctaagccgg cactccttac aagggaagaa gccatgttca gctccagctt 3060
117 gccaaagattc tgaaacccaa cgtcaagcct gacgagttcg agcctggcat ctctcagccg 3120
118 ctgctcgagc tggagatgac cacggatctc aaggcacagc tgtgggaact caacatcacc 3180
119 gaagccaagg aaaattgaag ttggtggtgg tcagaaggct gttataatth ttgtaccagt 3240
120 tcctcagctt aaatctttcc agaaaatcca agtctggcta gtttgtgaat tggagaaaaa 3300
121 gttcagcgga aagcacgtgt cttcattgct cagaagagga tctgtccaag ccaaccagga 3360
122 aaagctgtac gaaaaataag ccaaagcacc ctagaagctg caccctgaca gcagtgcatt 3420
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124 gagcagggtt atcttctctt ctggtacatc ccatgtctcc tcatctccat cctcccctct 3540
125 gcctctgtgt ctcatctcta aaactctcag cccatcttcc tttaccactg cccaatcaca 3600
126 ggctctagcc ttacctttca cctgccctca cctgcttata gacagcaatc tacatttctc 3660
127 cctttttgtc caattaaaag actcttttct ctcggatata aaatgagcac aactattatt 3720
128 accattctgt aattttataaa gtatagatag acctaacacc cagtctatca ttttgacagt 3780
129 taaataaagc attctgcaat cctatcctaa ctttaaaaagg cttataatth tacacttggt 3840
130 atgtcctggt tcagcttgta tattagaaaa ccatctcaaa ttatatata atatatatta 3900
131 cacacacaca tatgtatata tacatatata tgtatacaca cacacacata tatatatgta 3960
132 tatgtatgta tgtatgtata tatatatact tttaatgcta aatagcctgg gttggctaag 4020
133 actacttcaa tcctgccaga attc 4044

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135 &lt;210&gt; SEQ ID NO: 3

136 &lt;211&gt; LENGTH: 24

137 &lt;212&gt; TYPE: DNA

138 &lt;213&gt; ORGANISM: Artificial Sequence

140 &lt;220&gt; FEATURE:

141 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Primer

143 &lt;400&gt; SEQUENCE: 3

144 tacgcccttc tcagttaggg tttag 24

146 &lt;210&gt; SEQ ID NO: 4

147 &lt;211&gt; LENGTH: 30

148 &lt;212&gt; TYPE: DNA

149 &lt;213&gt; ORGANISM: Artificial Sequence

151 &lt;220&gt; FEATURE:

152 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Primer

154 &lt;400&gt; SEQUENCE: 4

155 ggatcctacg cccttctcag ttagggttag 30

157 &lt;210&gt; SEQ ID NO: 5

158 &lt;211&gt; LENGTH: 20

159 &lt;212&gt; TYPE: DNA

160 &lt;213&gt; ORGANISM: Artificial Sequence

162 &lt;220&gt; FEATURE:

163 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Primer

165 &lt;400&gt; SEQUENCE: 5

166 actgagccga gacaagattc 20

168 &lt;210&gt; SEQ ID NO: 6

169 &lt;211&gt; LENGTH: 26

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170 <212> TYPE: DNA  
171 <213> ORGANISM: Artificial Sequence  
173 <220> FEATURE:  
174 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
176 <400> SEQUENCE: 6  
177 ggatccactg agccgagaca agattc 26  
179 <210> SEQ ID NO: 7  
180 <211> LENGTH: 20  
181 <212> TYPE: DNA  
182 <213> ORGANISM: Artificial Sequence  
184 <220> FEATURE:  
185 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
187 <400> SEQUENCE: 7  
188 agctactcag gaggtgaga 20  
190 <210> SEQ ID NO: 8  
191 <211> LENGTH: 29  
192 <212> TYPE: DNA  
193 <213> ORGANISM: Artificial Sequence  
195 <220> FEATURE:  
196 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
198 <400> SEQUENCE: 8  
199 gcgctcgaga gctactcagg aggctgaga 29  
201 <210> SEQ ID NO: 9  
202 <211> LENGTH: 20  
203 <212> TYPE: DNA  
204 <213> ORGANISM: Artificial Sequence  
206 <220> FEATURE:  
207 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
209 <400> SEQUENCE: 9  
210 catcaagaca cagcactact 20  
212 <210> SEQ ID NO: 10  
213 <211> LENGTH: 29  
214 <212> TYPE: DNA  
215 <213> ORGANISM: Artificial Sequence  
217 <220> FEATURE:  
218 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
220 <400> SEQUENCE: 10  
221 gcgctcgagc atcaagacac agcactact 29  
223 <210> SEQ ID NO: 11  
224 <211> LENGTH: 20  
225 <212> TYPE: DNA  
226 <213> ORGANISM: Artificial Sequence  
228 <220> FEATURE:  
229 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
231 <400> SEQUENCE: 11  
232 gtctggtctg cagaggatag 20  
234 <210> SEQ ID NO: 12  
235 <211> LENGTH: 29  
236 <212> TYPE: DNA

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237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
242 <400> SEQUENCE: 12
243 gcgctcgagg tctggtctgc agaggatag 29
245 <210> SEQ ID NO: 13
246 <211> LENGTH: 24
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
253 <400> SEQUENCE: 13
254 tacgcccttc tcagttaggg ttag 24
256 <210> SEQ ID NO: 14
257 <211> LENGTH: 33
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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265 cgcaagcttt acgcccttct cagttagggt tag 33
267 <210> SEQ ID NO: 15
268 <211> LENGTH: 20
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
275 <400> SEQUENCE: 15
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278 <210> SEQ ID NO: 16
279 <211> LENGTH: 20
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
286 <400> SEQUENCE: 16
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289 <210> SEQ ID NO: 17
290 <211> LENGTH: 20
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
297 <400> SEQUENCE: 17
298 ctcggctcac acatgcagtt 20
300 <210> SEQ ID NO: 18
301 <211> LENGTH: 21
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence

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VERIFICATION SUMMARY

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